

In the Claims:

Please amend the claims as follows:

1. (currently amended) A bushing for an electrical device, comprising:
an insulating core comprising an exterior surface; and
a continuous diffusion barrier at least partially comprising a covering the exterior surface of the insulating core, the continuous diffusion barrier comprising a continuous film with firm adhesion to the insulating core.
2. (previously amended) The bushing according to claim 1, wherein the insulating core is hollow and that at least part of the inside of the insulating core is coated with the diffusion barrier.
3. (previously amended) The bushing according to claim 1, wherein the insulating core comprises a body of epoxy resin impregnated paper.
4. (currently amended) The bushing according to claim 1, further comprising:
an outer hollow insulator arranged outside the insulating core, ~~and~~ wherein at least a part of the outer hollow insulator is coated with the diffusion barrier.
5. (currently amended) The bushing according to claim ~~4, 4,~~ wherein essentially the whole surface of the outer hollow insulator is coated with the diffusion barrier.

6. (previously amended) The bushing according to claim 1, wherein the diffusion barrier comprises at least one of the following: an organic film or an organic/inorganic hybrid film.

7. (previously amended) The bushing according to claim 1, wherein the diffusion barrier comprises a multi-layer film.

8. (previously amended) The bushing according to claim 1, wherein the diffusion barrier comprises particles of hybrid or inorganic nature.

9. (previously amended) The bushing according to claim 1, wherein the diffusion barrier has a coefficient of water permeability smaller than $0.1 \text{ g.m}^{-1}.\text{day}^{-1}$.

10. (previously amended) The bushing according to claim 1, wherein the diffusion barrier is deposited on at least part of the insulating core and/or the outer hollow insulator by one of the following methods: dipping, painting, spraying, plasma arc, sol-gel technology, Physical Vapor Deposition or Chemical Vapor Deposition.

11. (currently amended) A method for manufacturing a bushing for an electrical device, the bushing comprising an insulating core, the method comprising:
coating at least a part of an exterior surface of the insulating core with a continuous diffusion barrier comprising a continuous film with firm adhesion to the insulating core.

12. (previously amended) The method according to claim 11, wherein the insulating core is hollow, and wherein at least part of the inside of the insulating core is coated with the diffusion barrier.

13. (previously amended) The method according to claim 11, further comprising:
arranging an outer hollow insulator outside the insulating core, and
coating at least a part of the outer hollow insulator with the diffusion barrier.

14. (currently amended) The method according to claim ~~11~~, 13, wherein essentially the whole surface of the outer hollow insulator is coated with the diffusion barrier.

15. (previously amended) The method according to claim 11, wherein the insulating core and/or the outer hollow insulator is coated with the diffusion barrier comprising at least one of the following: an inorganic film, an organic film or an organic/inorganic hybrid film.

16. (previously amended) The method according to claim 11, wherein the insulating core is coated with a diffusion barrier comprising a multi-layer film.

17. (previously amended) The method according to claim 11, wherein the diffusion barrier is deposited on at least part of the insulating core and/or the outer hollow insulator, by one of the following methods: painting, dipping, spraying, plasma arc, sol-gel technology, Physical Vapor Deposition or Chemical Vapor Deposition.